

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-245274

(43)Date of publication of application : 19.09.1995

(51)Int.Cl.

H01L 21/26

H01L 21/22

H01L 21/324

(21)Application number : 06-056637

(71)Applicant : TOKYO ELECTRON LTD

TOKYO ELECTRON TOHOKU LTD

(22)Date of filing : 02.03.1994

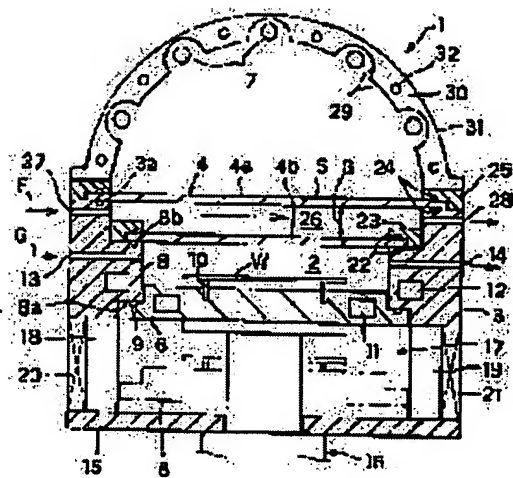
(72)Inventor : OKASE WATARU

## (54) HEAT TREATMENT DEVICE

### (57)Abstract:

**PURPOSE:** To provide a heat treatment device which can uniformly heat and treat a body to be treated at a constant temperature by allowing a light transmission material to absorb not only infrared rays with an unneeded wavelength from a light source but also infrared rays radiated from the body to be treated for preventing heating.

**CONSTITUTION:** A light transmission window 5 consisting of a light transmission material 4 facing a body W to be treated is provided at a treatment chamber 2 for housing the body W to be treated and then performing its heat treatment. A light source 7 is provided for heating the body W to be treated by applying light via the light transmission material 4 of the light transmission window 5. The light transmission material 4 of the light transmission window 5 is provided at a plurality of layers 4a and 4b and a cooling, layer 26 is provided for cooling the light transmission materials 4a and 4b through a refrigerant F of a cooling gas, etc., between the light



**BEST AVAILABLE COPY**

*transmission material 4a and 4b, thus preventing the light transmission materials 4a and 4b from absorbing infrared rays, etc., radiated from the body W to be treated for heating.*

---

**LEGAL STATUS**

*[Date of request for examination] 01.03.2001*

*[Date of sending the examiner's decision of rejection]*

*[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]*

*[Date of final disposal for application]*

*[Patent number]*

*[Date of registration]*

*[Number of appeal against examiner's decision of rejection]*

*[Date of requesting appeal against examiner's decision of rejection]*

*[Date of extinction of right]*

*Copyright (C); 1998,2003 Japan Patent Office*